

# Iowa Crops & Weather



Iowa Agricultural Statistics  
210 Walnut, Room 833 • Des Moines, Iowa 50309-2195  
515-284-4340 • 1-800-772-0825 • FAX 515-284-4342 • [nass-ia@nass.usda.gov](mailto:nass-ia@nass.usda.gov)  
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## Need Some Warmth

**Agricultural Summary:** Producers across Iowa would like warmer temperatures to get their crops to maturity. Some corn and beans show signs of stress. While the top third of the state needs rain, severe storms in the lower two-thirds of the state resulted in corn being blown down and buildings destroyed or damaged. White mold is becoming more of a widespread problem and there were reports of fields sprayed for aphids.

There were 4.4 **days suitable for fieldwork** this week in Iowa. **Topsoil moisture** rated 4 percent very short, 15 percent short, 67 percent adequate, and 14 percent surplus. **Subsoil moisture** rated 4 percent very short, 16 percent short, 71 percent adequate, and 9 percent surplus.

**Field Crops Report:** The **corn acreage in or past dough stage** was 81 percent, slightly behind last year's progress of 82 percent and three days behind the 5-year average of 87 percent dough stage. The **corn acreage in or past dent stage** was 39 percent, behind last year's progress of 51 percent and five days behind the 5-year average of 59 percent dent at this time. Iowa's **corn acreage in mature stage** was 2 percent. **Corn condition** was rated 2 percent very poor, 6 percent poor, 19 percent fair, 52 percent good, and 21 percent excellent. **Soybean acreage setting pods** was 99 percent. The **soybean acreage with leaves turning color** was 10 percent, behind last year's progress and the 5-year average of 12 percent for both. The **soybean acreage dropping leaves** was 1 percent. **Soybean condition** was rated 2 percent very poor, 7 percent poor, 23 percent fair, 50 percent good, and 18 percent excellent. The **third cutting of alfalfa hay** was 72 percent complete, slightly behind last year's progress of 75 percent but two days ahead of the 5-year average of 67 percent complete. **Hay condition** rated 1 percent very poor, 3 percent poor, 24 percent fair, 54 percent good, and 18 percent excellent.

**Livestock, Pasture, and Range Report:** Livestock conditions were generally good especially where temperatures remained cool. **Pasture**

**and range condition** was rated 3 percent very poor, 8 percent poor, 24 percent fair, 50 percent good, and 15 percent excellent.

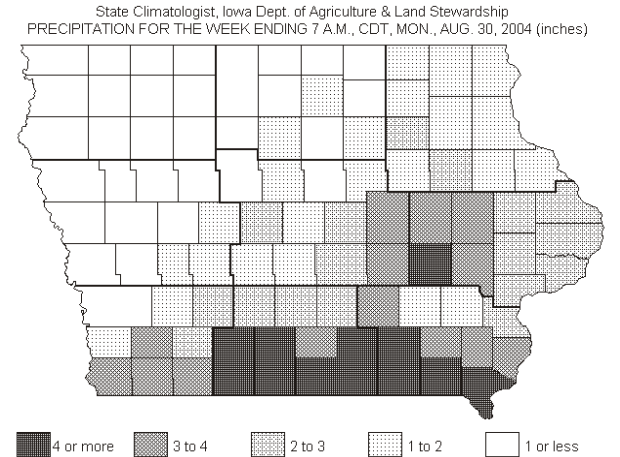
## Iowa Weather Summary

Heat and humidity finally made a return to Iowa as temperatures for the past week averaged 0.4 degrees above normal. This was Iowa's first warmer than normal week since early June. Daytime high temperatures were primarily in the upper 70's to upper 80's through the work week with nighttime lows mainly in the 60's. The week's highest temperatures were recorded on Thursday (26th) when Burlington, Glenwood, Mapleton and Shenandoah all reached 91 degrees. Cooler than normal weather returned over the weekend when high temperatures were mainly in the 70's. Spencer reported the week's lowest temperature with a 44 degree reading on Sunday (29th) morning.

Thunderstorms dropped moderate to heavy rainfall across much of southern and eastern Iowa on a daily basis. Weekly rainfall totals reached 9.47 inches at Beaconsfield (Ringgold County) and 7.65 inches at Allerton (Wayne County). However, portions of west central and northwest Iowa received very little rain during the week and could use a good soaking. Castana and Kennebec, both in Monona County, reported only 0.04 inches of rain for the past week. The statewide average precipitation was 1.98 inches or more than double the weekly normal of 0.92 inches.

The return of much warmer and more humid air to the state was accompanied by frequent episodes of severe weather. Severe thunderstorms were reported from 11 south central Iowa counties on Wednesday (25th) and from 36 counties on Thursday (26th). Very large hail pounded an area from east central Pocahontas County to southern Hancock County on Thursday with destructive tornadoes in Fremont, Page, Story and Delaware counties. There were also scattered reports of severe weather on Monday (23rd), Friday (27th) and Sunday (29th).

Statewide Crop Conditions as of August 29, 2004					
Item	Very Poor	Poor	Fair	Good	Excellent
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Corn	2	6	19	52	21
Hay, all	1	3	24	54	18
Range & Pasture	3	8	24	50	15
Soybeans	2	7	23	50	18



Field Work and Crop Progress as of August 29, 2004													
Item	Districts									State	Last Week	Last Year	Normal
	NW	NC	NE	WC	C	EC	SW	SC	SE				
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>				
Corn in or past dough stage	82	75	84	79	81	82	83	81	90	81	62	82	87
Corn in or past dent stage	31	25	37	34	38	46	62	51	57	39	19	51	59
Soybean leaves turning color	7	8	6	7	16	9	8	10	17	10	NA	12	12
Hay, alfalfa - third crop harvested	93	70	72	83	59	84	89	56	68	72	62	75	67

NA = Not available.

Days Suitable & Soil Moisture Condition as of August 29, 2004												
Item	Districts									State	Last Week	Last Year
	NW	NC	NE	WC	C	EC	SW	SC	SE			
	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>	<i>Days</i>			
Days suitable	5.8	5.1	4.6	5.8	4.2	3.5	3.6	1.5	2.3	4.4	5.7	6.7
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Topsoil moisture												
Very short	7	4	2	18	0	3	2	0	0	4	6	58
Short	42	18	7	27	10	10	7	1	4	15	21	35
Adequate	51	69	74	53	82	84	77	47	67	67	68	7
Surplus	0	9	17	2	8	3	14	52	29	14	5	0
Subsoil moisture												
Very short	5	6	1	13	0	2	3	1	0	4	4	45
Short	32	13	11	23	8	22	12	3	14	16	16	40
Adequate	63	64	79	63	86	74	79	63	72	71	75	15
Surplus	0	17	9	1	6	2	6	33	14	9	5	0

Weather Summary For Iowa Agricultural Statistics Service Prepared by AWIS, Inc. For the week ending: Sunday, August 29, 2004										
STATION	CURRENT WEEK						SINCE APRIL 1		CURRENT WEEK	
	TEMPERATURE				PRECIPITATION		PRECIPITATION		GDD BASE 50F	
	HI	LO	AVG	DFN	TOTAL	DFN	TOTAL	DFN	TOTAL	DFN
Estherville Sioux Center Spencer Spirit Lake	North West District									
	83	45	68	2	0.55	-0.29	18.20	1.07	125	12
	84	45	69	1	0.34	-0.43	16.16	-0.80	138	8
	86	44	70	3	0.48	-0.38	14.54	-3.49	140	19
	82	57	70	4	0.22	-0.62	16.86	-0.19	140	-4
Britt Humboldt Mason City Northwood	North Central District									
	85	48	69	1	0.28	-0.53	21.36	2.63	134	5
	88	51	70	2	0.45	-0.42	18.77	-0.52	139	11
	86	49	69	3	1.89	0.91	32.93	13.18	134	15
	83	50	68	1	0.66	-0.32	30.74	11.61	124	5
Decorah Dubuque Elkader Independence Waterloo	North East District									
	88	55	72	4	2.45	1.52	32.61	13.31	154	25
	84	48	70	4	1.02	-0.10	16.51	-4.03	143	21
	85	51	70	3	1.50	0.58	25.67	6.38	142	-3
	86	50	70	4	2.30	1.32	26.88	6.22	143	-3
Audubon Carroll Castana Guthrie Center Harlan Jefferson Logan Rockwell City Sioux City	West Central District									
	88	55	73	6	1.52	0.74	18.47	-1.64	163	38
	86	47	70	-1	0.82	-0.05	24.65	5.41	141	-1
	88	47	70	3	0.12	-0.72	17.38	-3.11	145	16
	90	49	72	2	0.11	-0.73	12.65	-5.36	154	25
Ames Boone Des Moines Eldora Marshalltown Newton Perry Toledo	Central District									
	86	51	71	3	2.01	1.06	24.67	3.30	147	22
	87	52	71	3	1.94	1.02	22.21	1.58	151	20
	88	55	73	3	2.23	1.28	23.09	3.86	165	16
	85	53	71	3	0.71	-0.20	22.27	1.59	150	22
Cedar Rapids Davenport Iowa City Lowden Maquoketa Muscatine	East Central District									
	85	49	71	2	4.81	3.88	21.28	1.95	147	15
	86	50	72	2	2.52	1.60	21.10	1.91	154	10
	89	51	72	1	3.25	2.27	22.85	1.51	158	7
	87	49	71	3	3.09	2.04	23.83	2.39	152	18
Clarinda Glenwood Oakland Red Oak Sidney	South West District									
	85	49	70	3	3.18	2.13	21.18	1.78	141	16
	86	53	72	2	2.79	1.88	21.34	1.40	156	33
	88	51	71	2	3.83	2.78	22.67	0.87	149	9
	91	49	73	3	1.39	0.48	18.08	-1.79	163	16
Allerton Beaconsfield Chariton Indianola Leon	South Central District									
	85	49	70	3	1.51	0.60	23.58	4.30	145	16
	89	52	73	2	0.85	-0.17	19.22	-2.26	163	12
	89	55	72	2	2.73	1.76	20.56	0.13	159	11
	87	54	71	1	7.56	6.56	28.76	8.44	146	36
Bloomfield Burlington Ottumwa	South East District									
	86	55	71	1	9.47	8.53	26.53	6.80	148	8
	88	55	72	2	4.15	3.14	23.97	3.33	153	14
	87	54	72	3	1.90	0.99	24.18	4.33	151	14
	91	54	74	4	6.14	5.09	29.08	8.45	170	28
Bloomfield Burlington Ottumwa	South East District									
	89	53	72	1	6.58	5.53	28.47	7.82	154	4
	91	56	75	5	3.65	2.74	17.16	-2.06	179	33
Bloomfield Burlington Ottumwa	South East District									
	87	51	71	0	4.49	3.57	21.80	2.66	151	1

Precipitation (rain, melted snow or ice) in inches. Precipitation Days = Days with precipitation of 0.01 inch or more. Air Temperatures in Degrees Fahrenheit. Copyright 2004: AWIS, Inc. All Rights Reserved.